

Trends in Driver Distraction

John D. Lee

Department of Industrial and Systems Engineering

University of Wisconsin-Madison

Springsteen? Adel? Springsteen? Adel? Springsteen?....

Lee, J. D., Roberts, S. C., Hoffman, J. D., & Angell, L. S. (2012). **Scrolling and driving:** How an MP3 player and its aftermarket controller affects driving performance and visual behavior. *Human Factors*.



New types of distraction



Many new types of driving and non-driving distractions



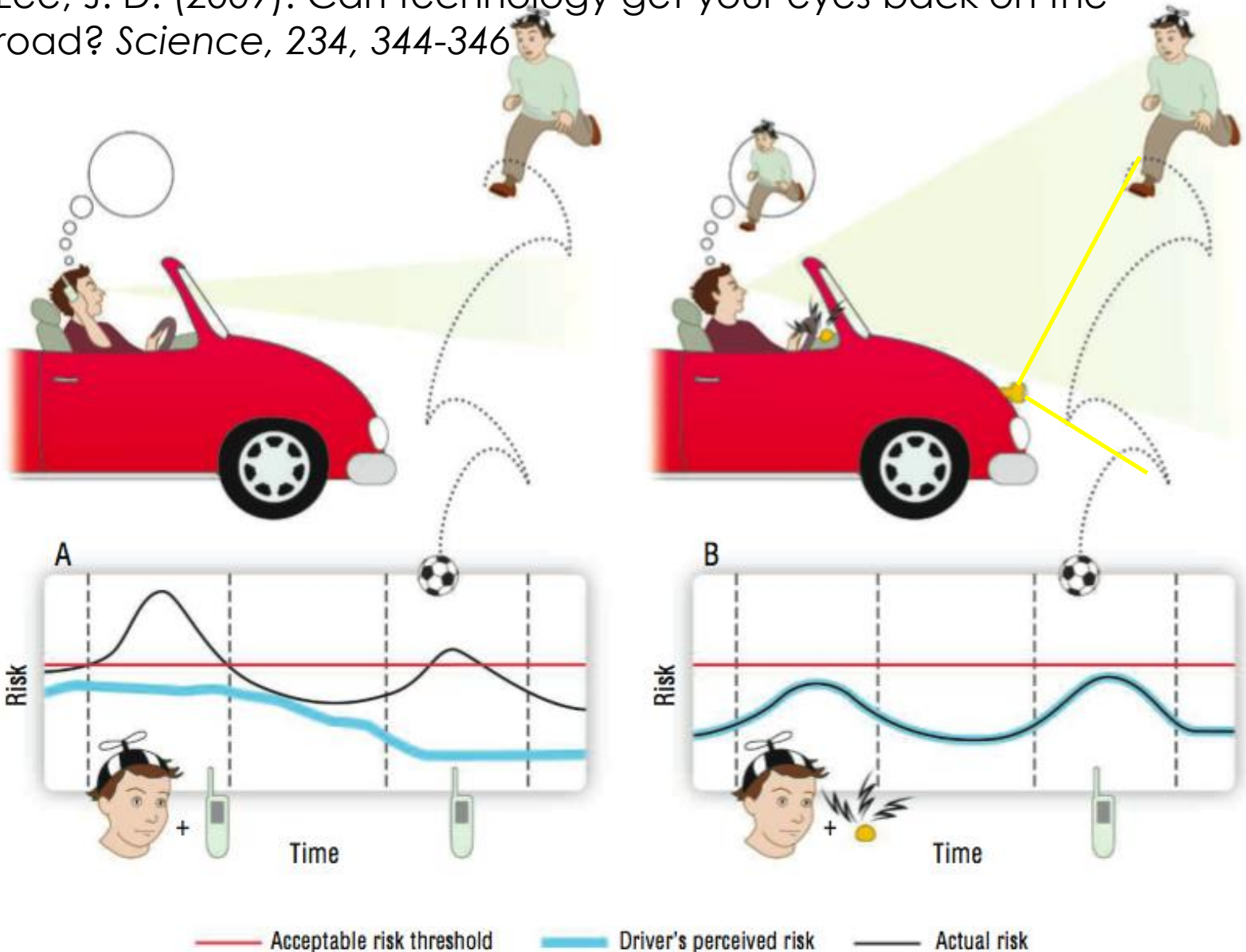
20+ Million lines of code
In the navigation system



<http://spectrum.ieee.org/green-tech/advanced-cars/this-car-runs-on-code>

Attentive cars as an answer

Lee, J. D. (2009). Can technology get your eyes back on the road? *Science*, 234, 344-346



Trends in distraction

- ▣ New distractions that seem like the old, but are not—selecting from a list of songs
- ▣ New devices brought into cars with a dramatic new capacity to distract
- ▣ Increasing computerization of cars with behaviors and warnings that can distract
- ▣ The rapid rate of technology change exceeds that of policy
- ▣ Attentive cars can complement the limits of regulations, public awareness, and training